

Flow chart:

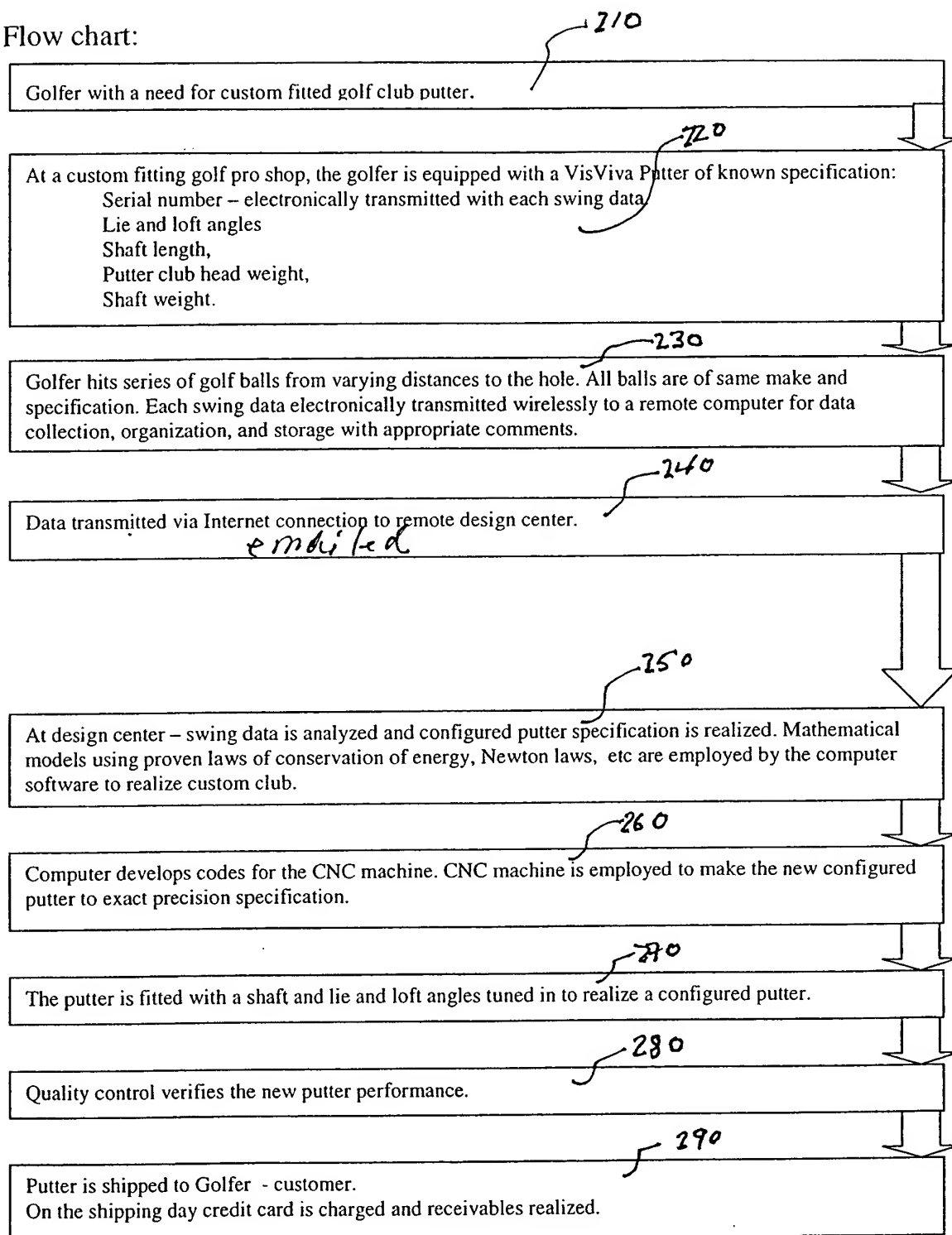
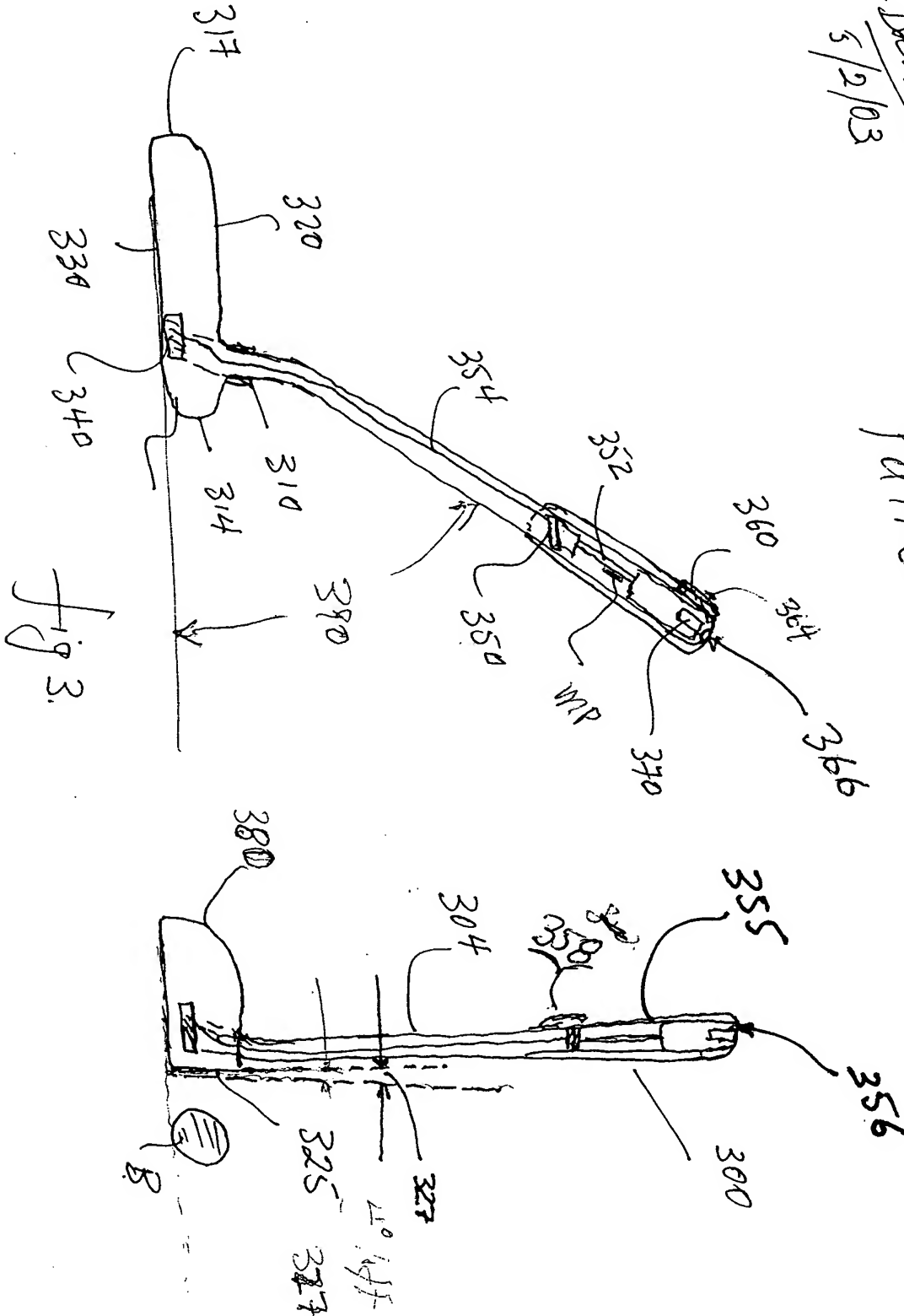


fig 2

*Reg. Barman*  
*5/2/03*

*Vis Viva Putter OR  
Putter with Skatennis*



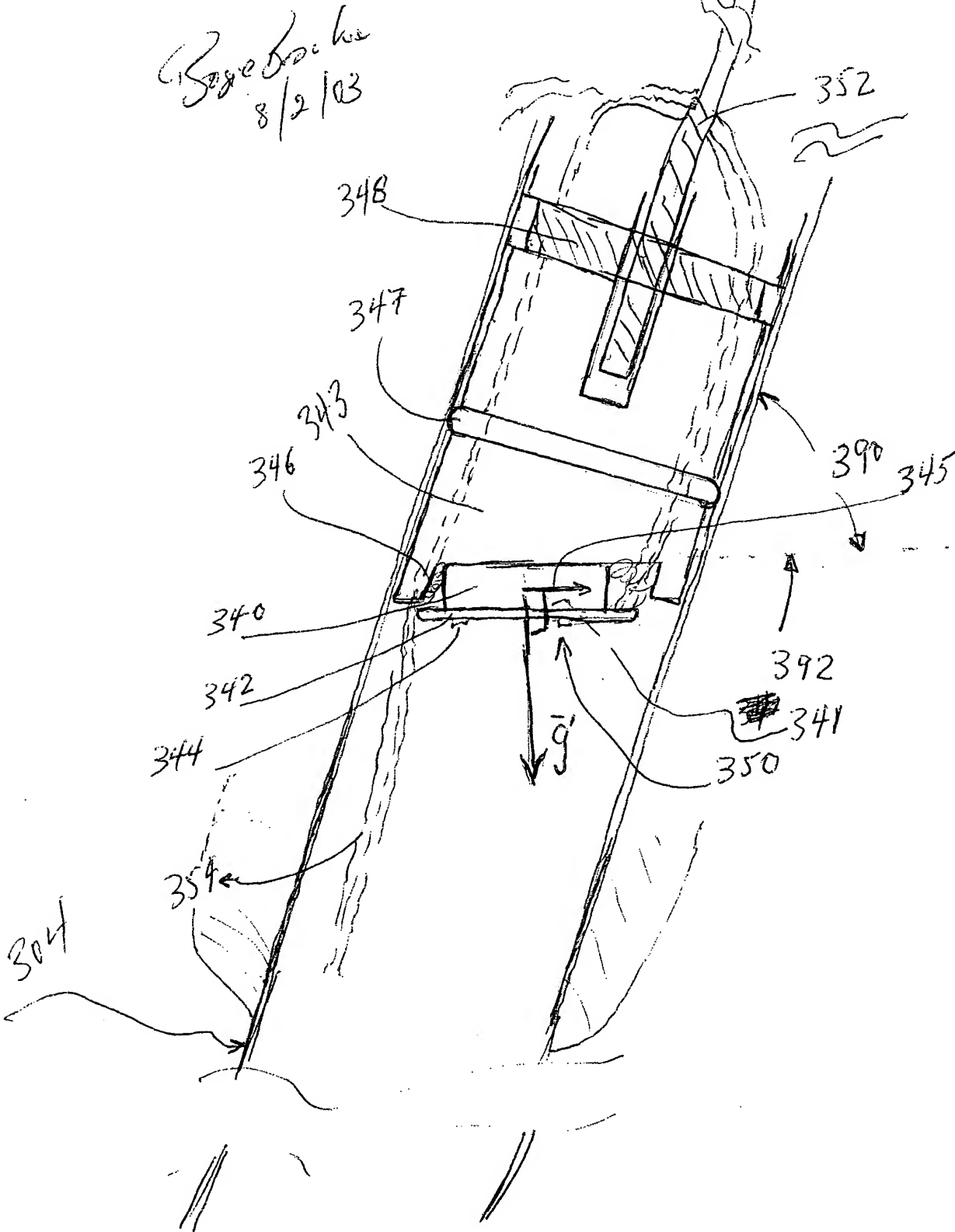


Fig 3A.

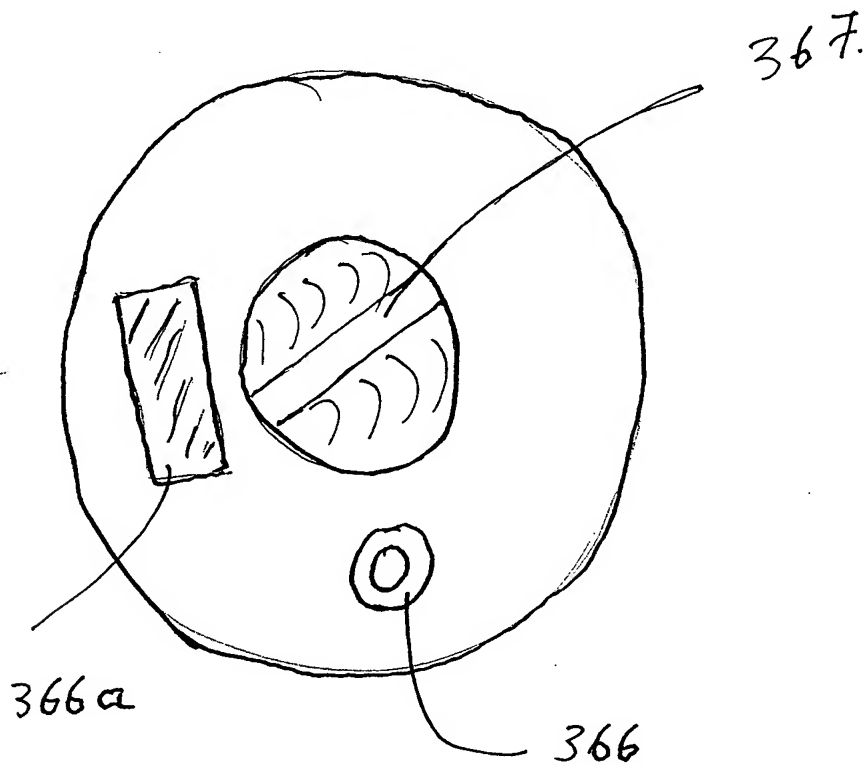


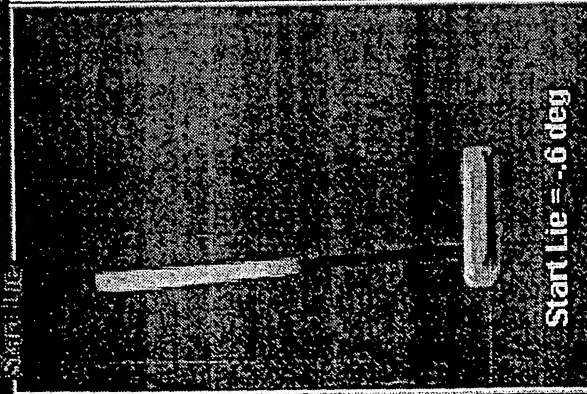
Fig 3B

Start Lie

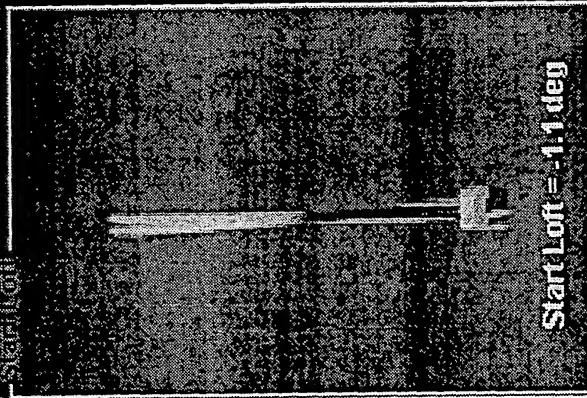
Start Loft

End Lie

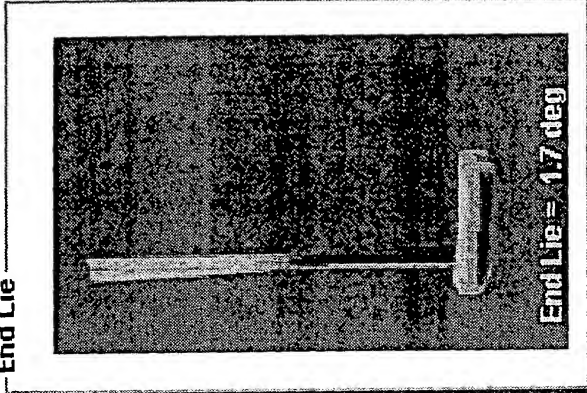
End Loft



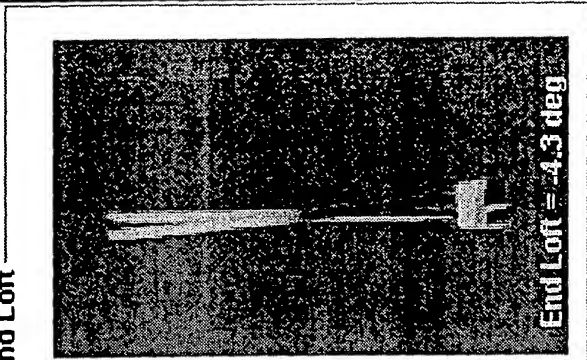
Start Lie = -6 deg



Start Loft = -1.1 deg



End Lie = 1.7 deg



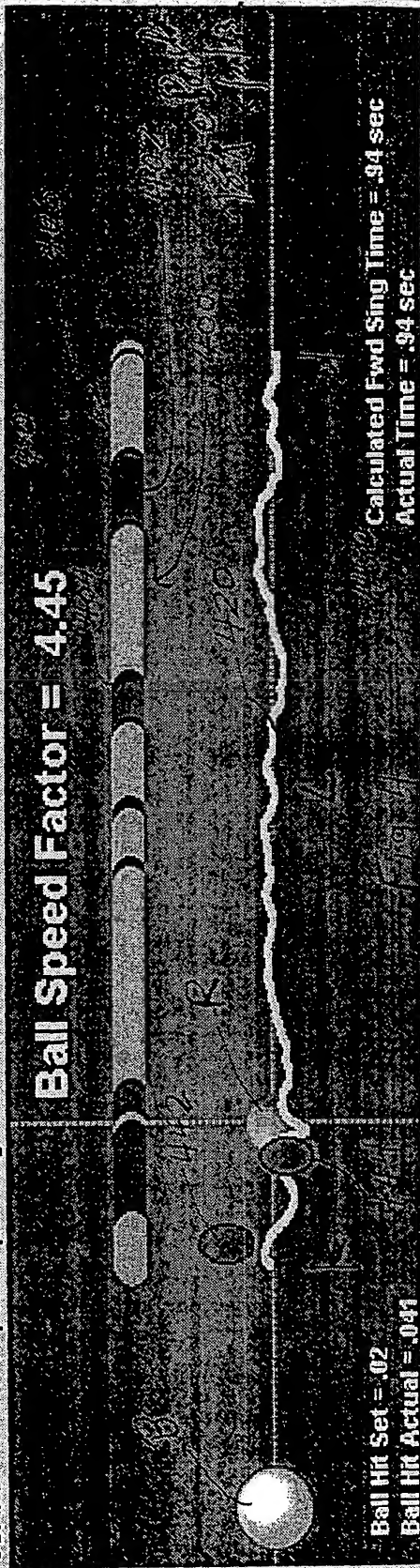
End Loft = 4.3 deg

OSI Inc.

patent pending

Vis Viva Putter

Ball Speed Factor = 4.45



Ball Hit Set = .02  
Ball Hit Actual = .041

Calculated Fwd Sing Time = .94 sec  
Actual Time = .94 sec

Replay Swing

Club Sel

Print

Load from Disk

Store to Disk

XYZ Graph

Sensitivity Sel

Clear

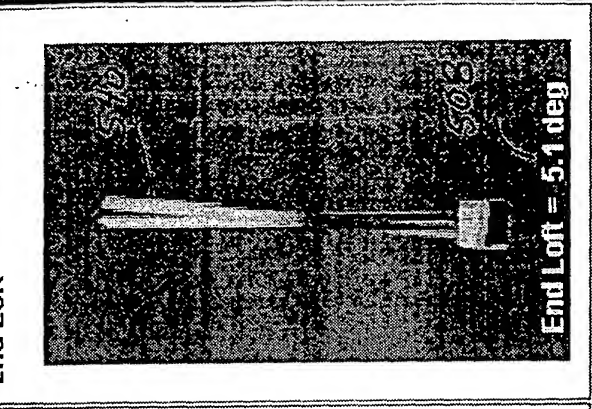
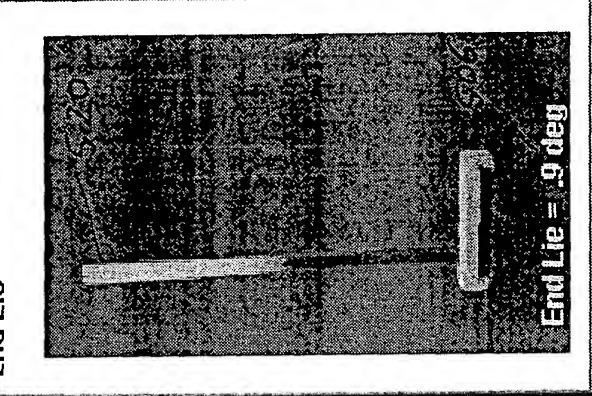
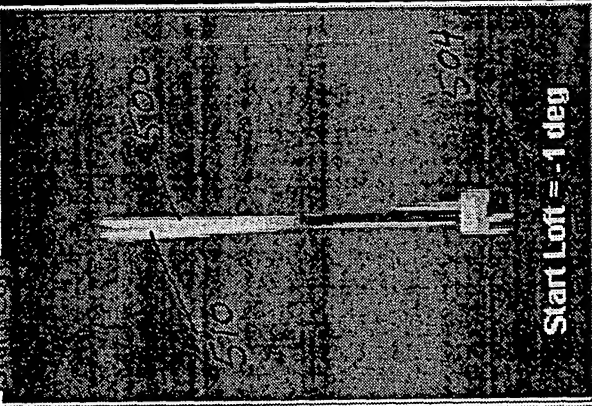
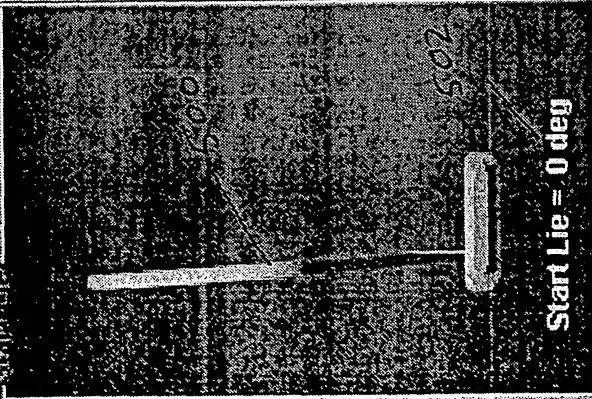


Start Lie

Start Loft

End Lie

End Loft

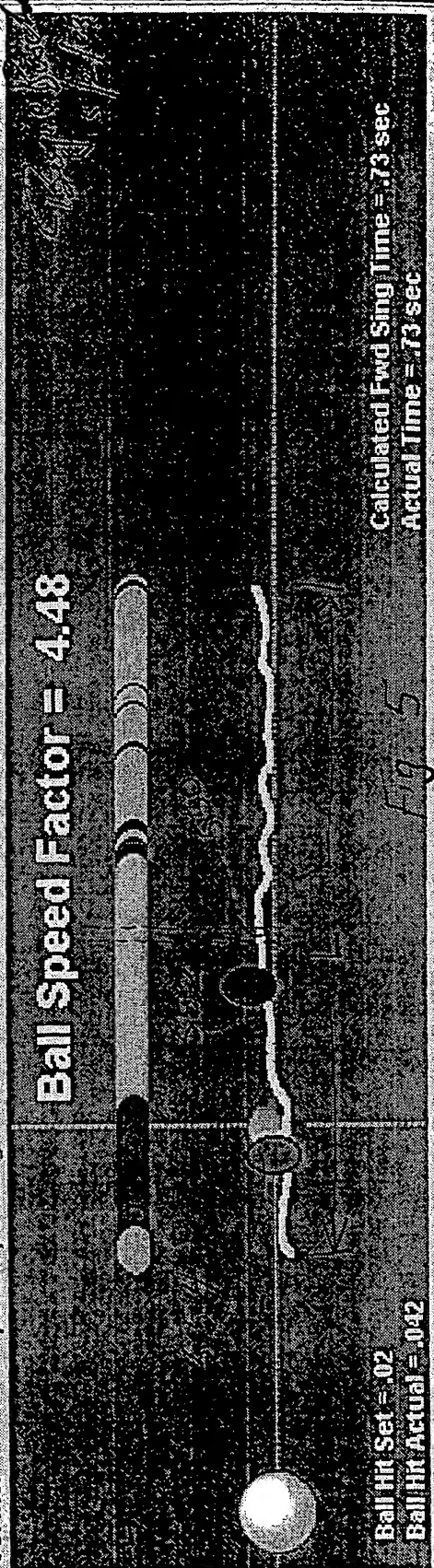


OSI Inc.

patent pending

Vis Viva Putter

Ball Speed Factor = 4.48



Ball Hit Set = .02  
Ball Hit Actual = .042

Calculated Fwd Sing Time = .73 sec  
Actual Time = .73 sec

Replay  
Swing

Club Sel

Print

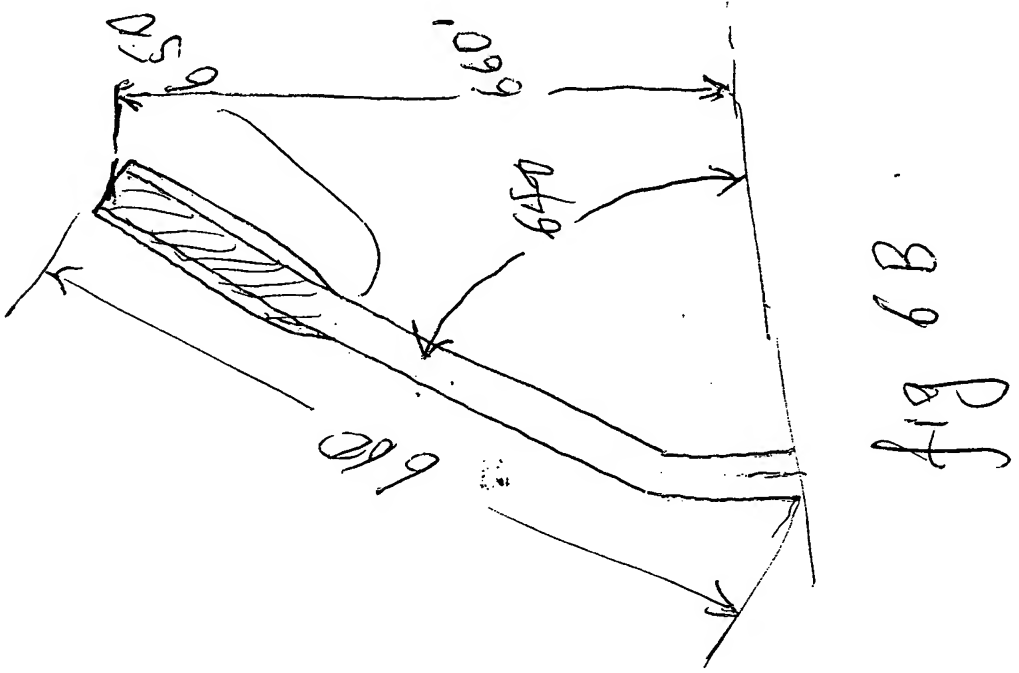
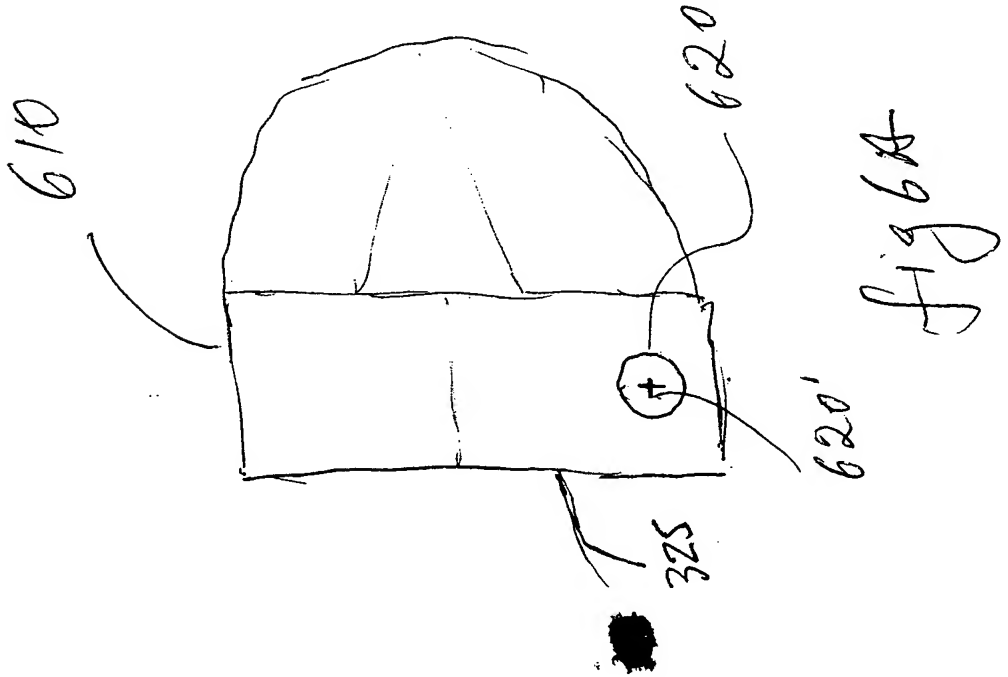
Load from  
Disk

Store to  
Disk

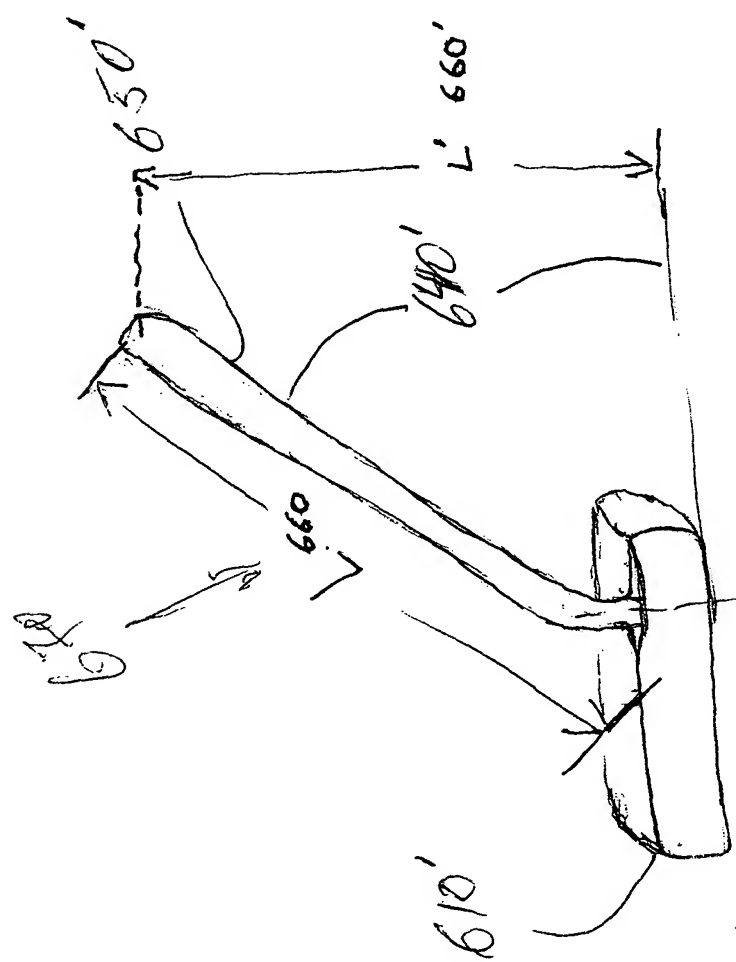
XYZ Graph

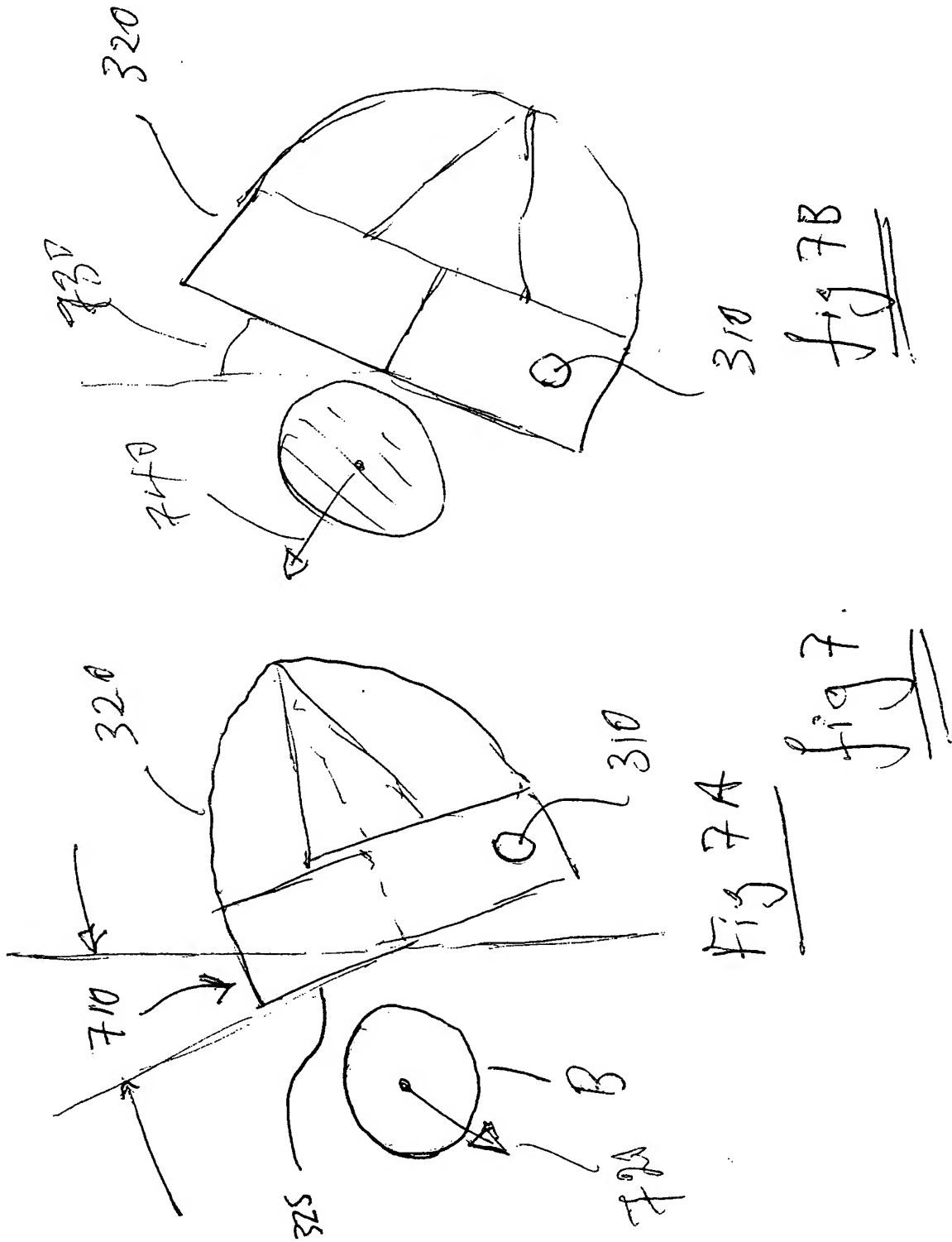
Sensitivity Sel

Clear



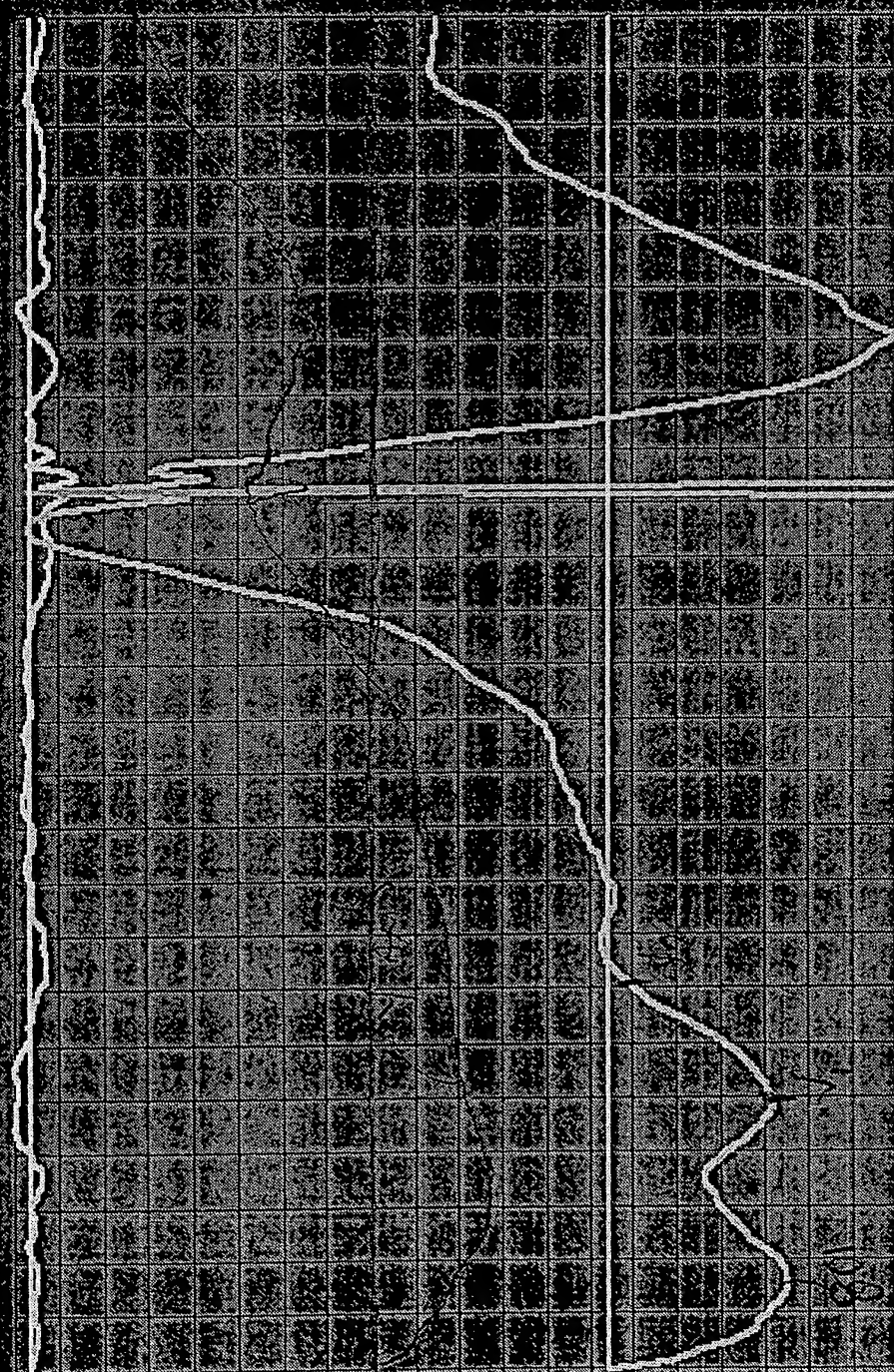






X

DxPutter



OSI Inc.

Ser Com

Clear

Sensitivity Sel

XYZ Graph

Store to Disk

Load from Disk

Print

Club Sel

Replay Swing

Time Div = 0.04sec

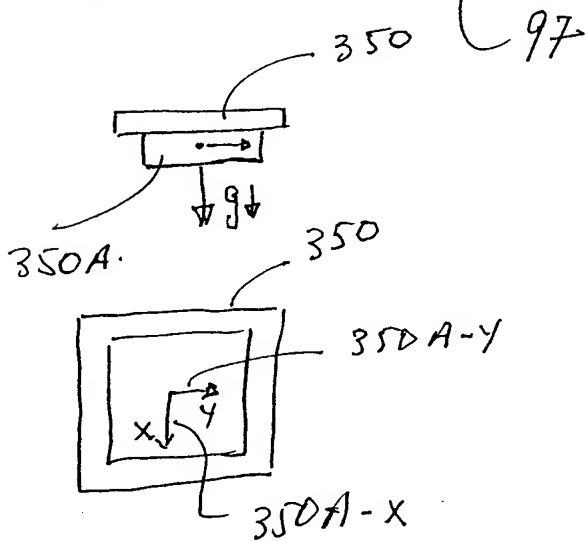
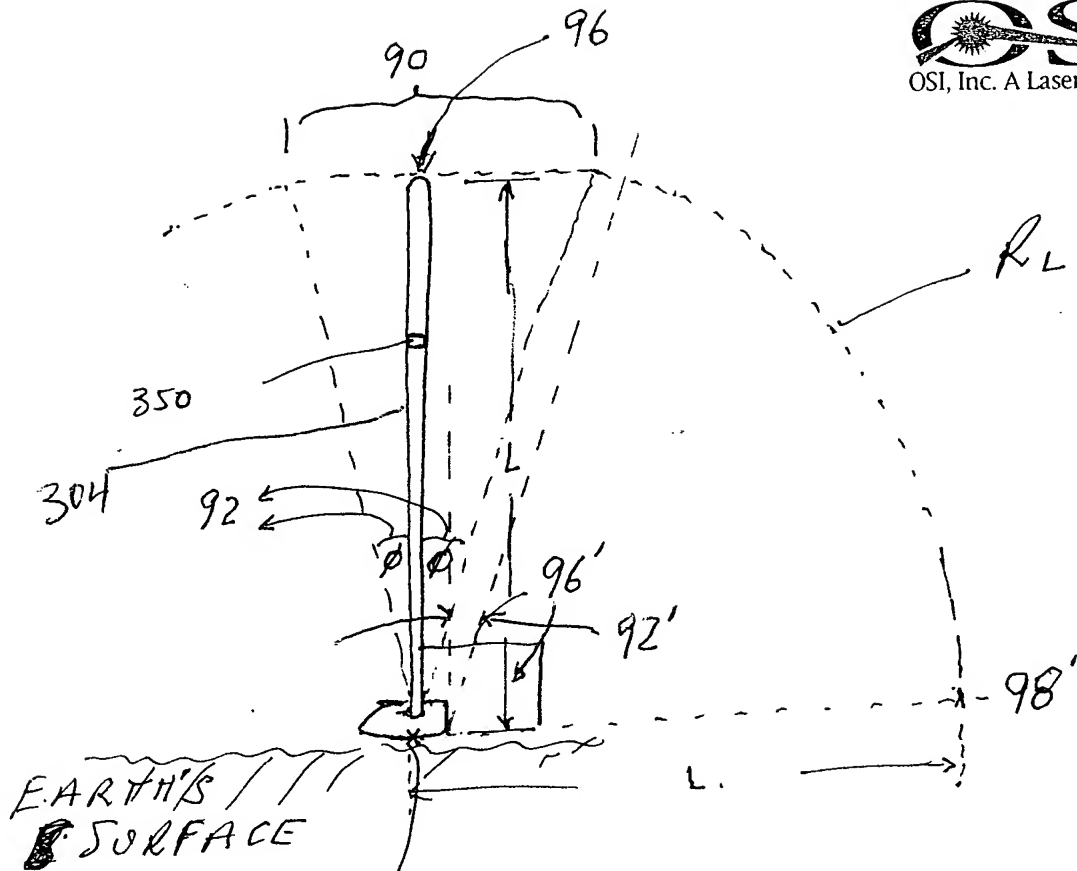


fig 9A

$$\text{Lie Angle} = A \sin(Ax/L)$$

$$\text{Loft Angle} = A \sin(Ay/L)$$

$\phi$  = angular displacement  
for Lie angles,  
or for Loft  
angles.

fig 9

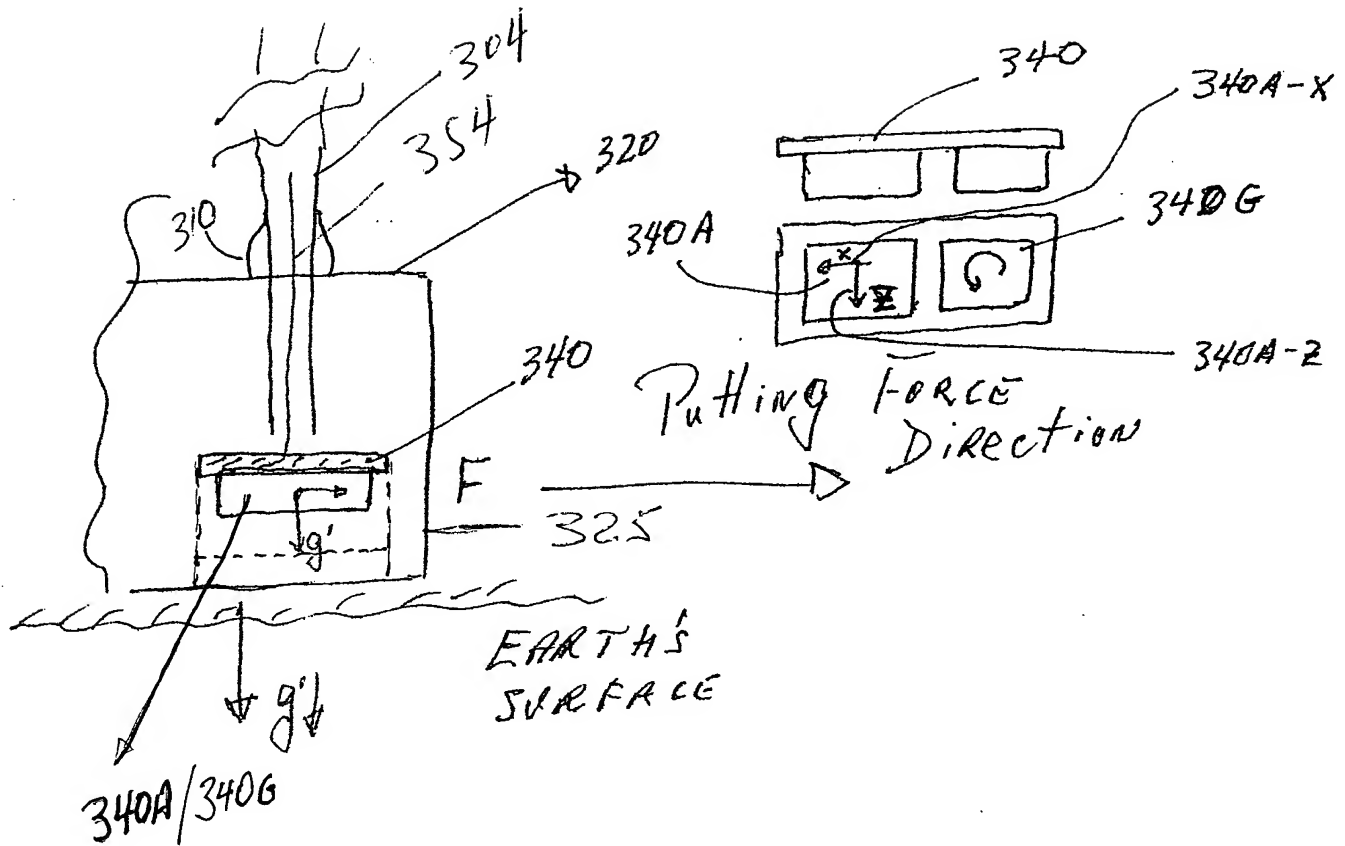


fig 10.

# System BLOCK DIAGRAM. GOLF CLUB.

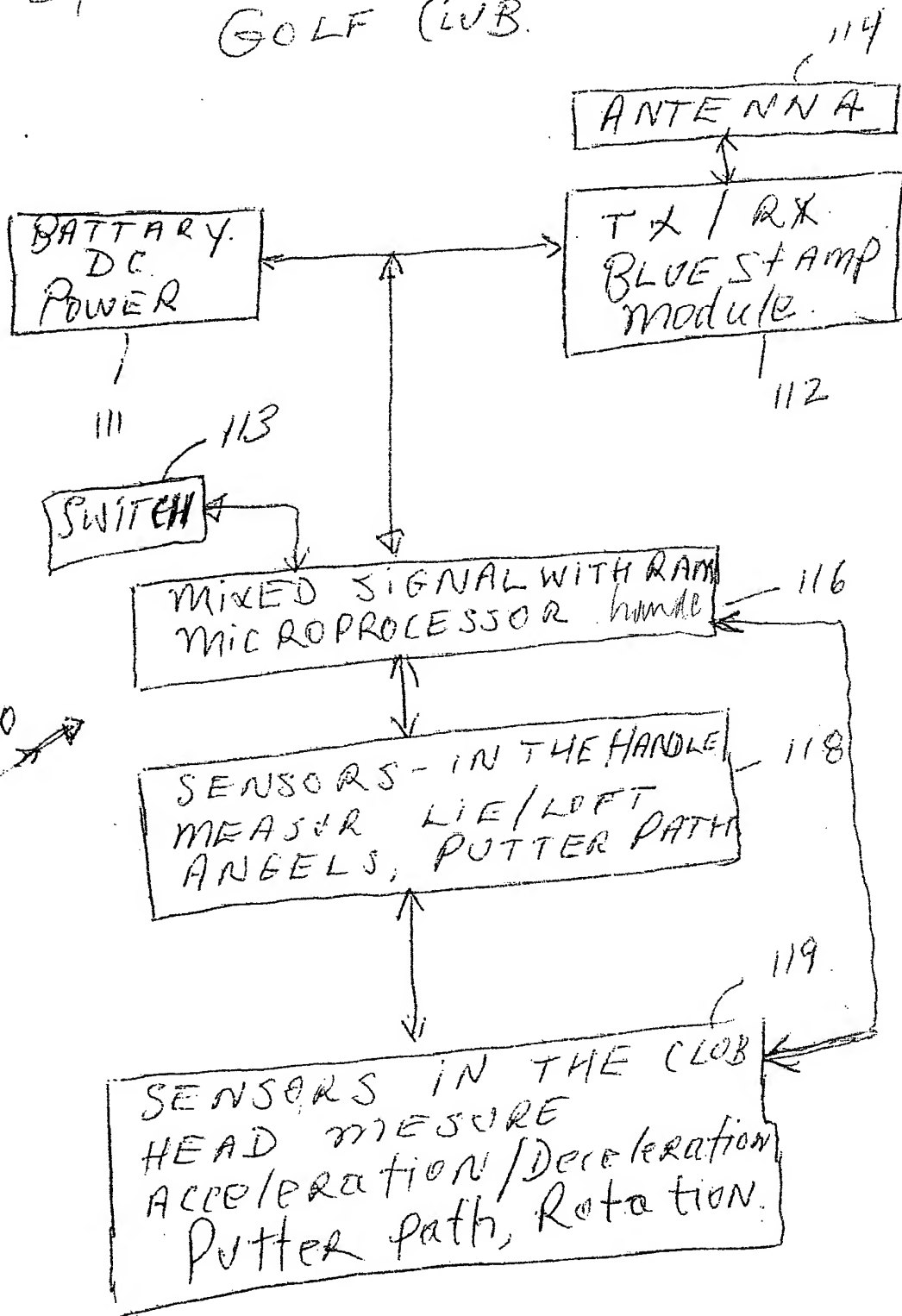


Fig 11.A.



# System BLOCK DIAGRAM. GOLF CLUB.

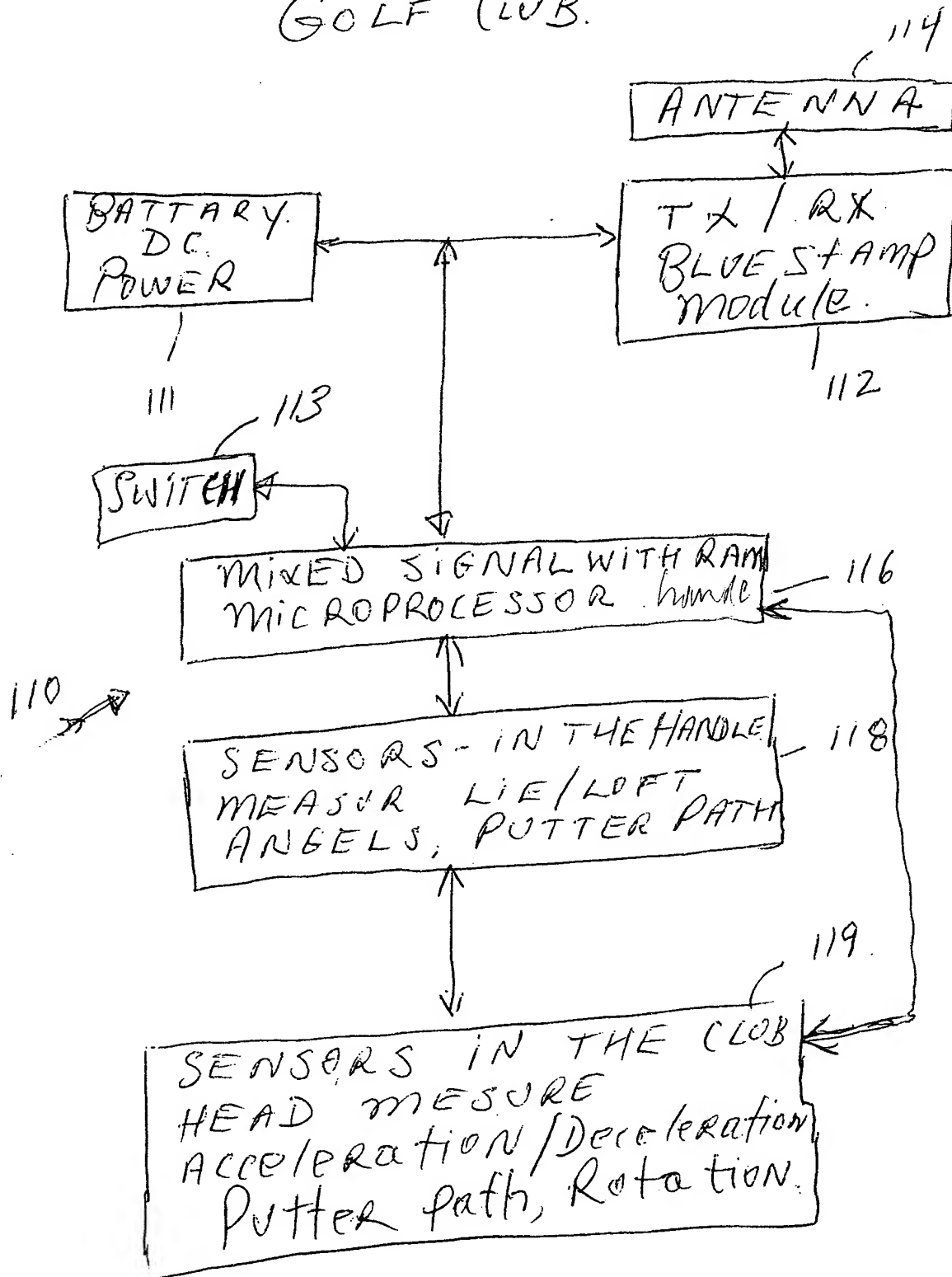


Fig 11.A.

## System BLOCK DIAGRAM.

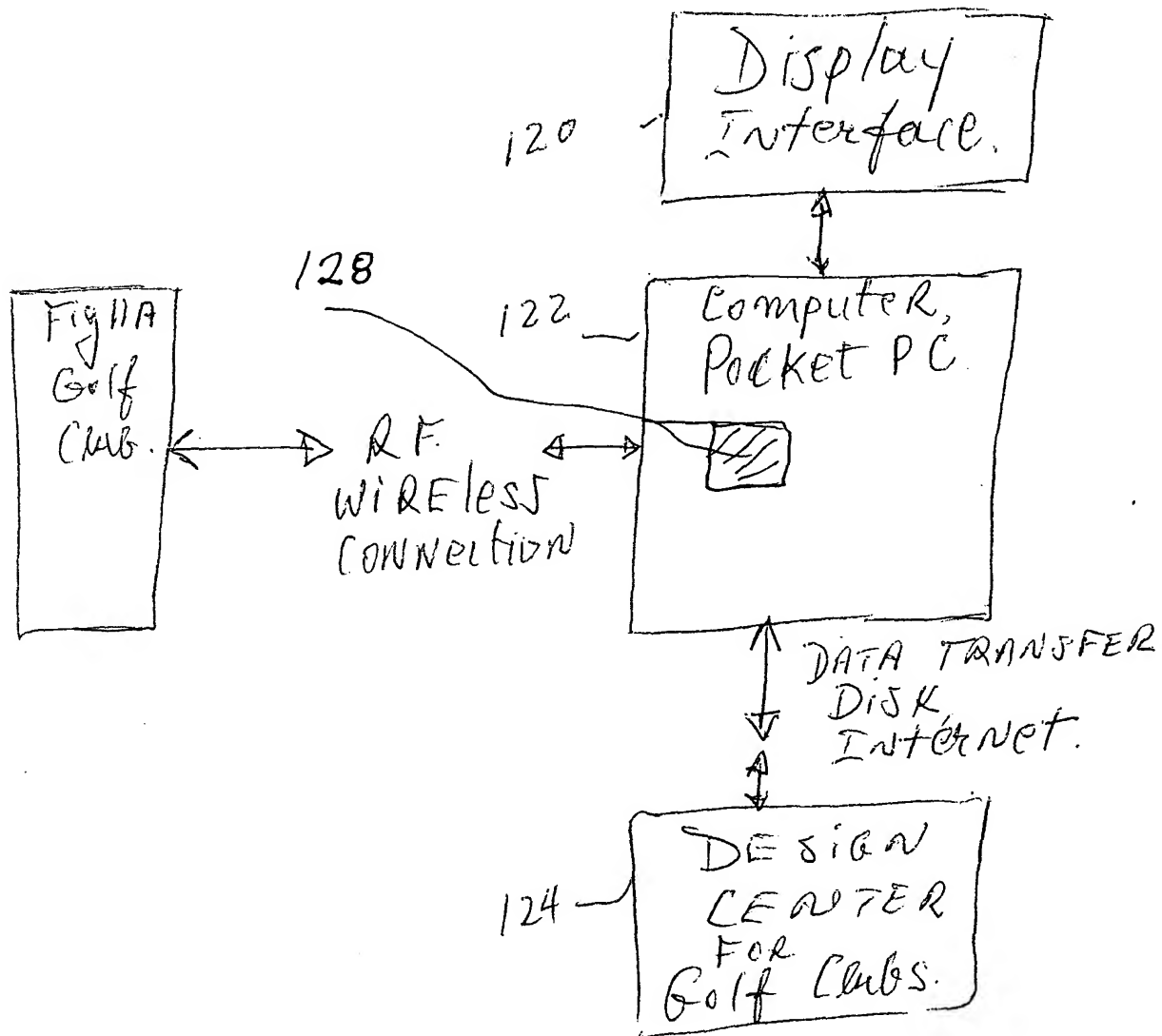


Fig 11 B.

# System BLOCK DIAGRAM.

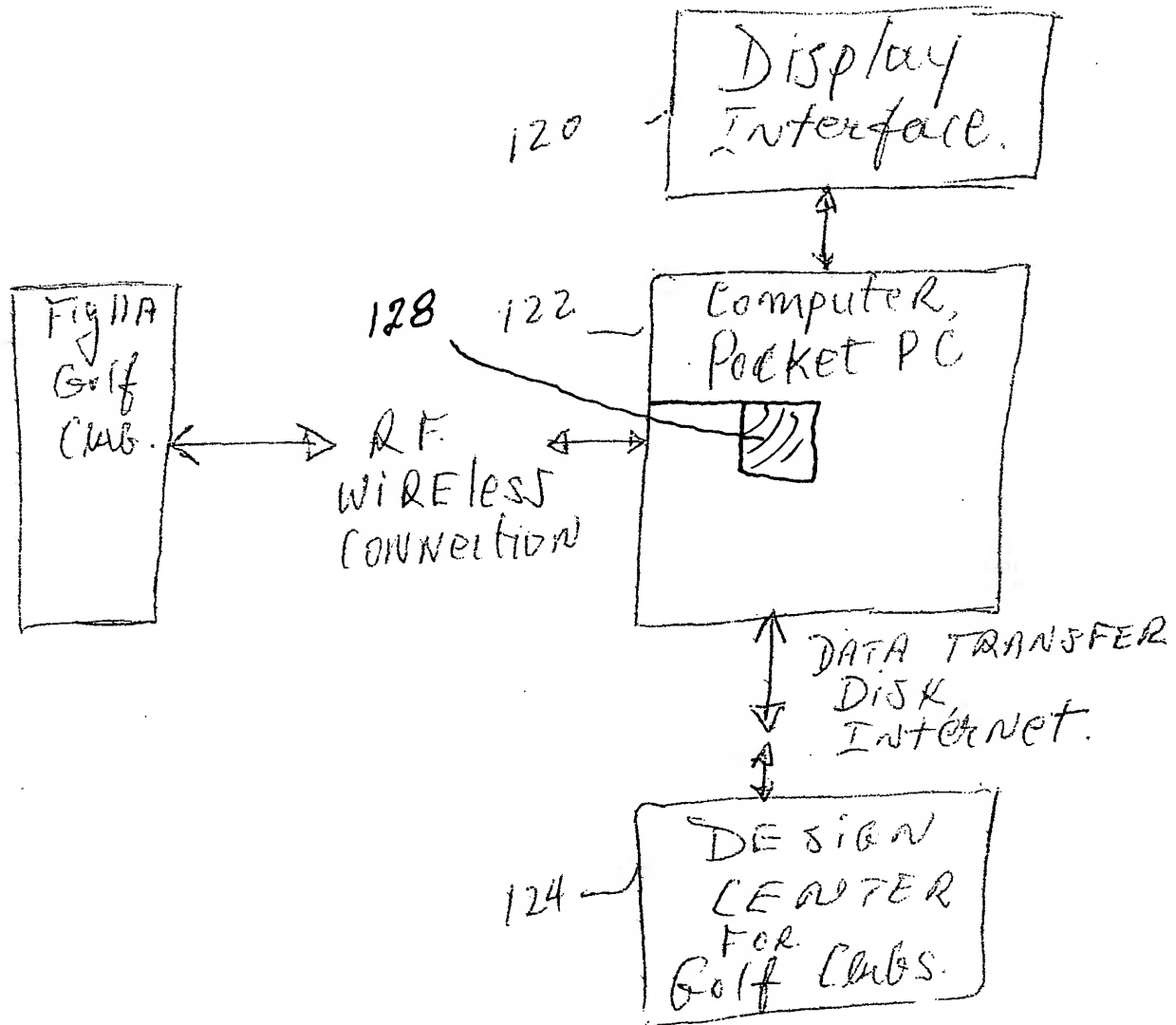


Fig 11 B.